Small Acreage Landholder Outreach Program 2003 Annual Report

Submitted to Clark County Clean Water Program

Submitted by WSU Extension Clark County

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Executive Summary

In partnership with the Clark County Clean Water Program and the Clark Conservation District, WSU Extension Clark County began implementing the pilot Small Acreage Landholder Outreach Program in February, 2003. This program uses both the *Living on the Land:* Stewardship for Small Acreages curriculum and other stand alone workshops to educate small acreage landholders about managing their properties to reduce quantity and improve the quality of stormwater runoff from their properties.

Twenty-four people completed the first *Living on the Land: Stewardship for Small Acreages* (LOL) 12 week class series. On average, four drop-ins attended each class as a stand alone workshop. Demand remains strong and the class waiting list includes 107 people. As a result, the partners added an extra LOL series for 2004.

Additionally, nine septic workshops and six best management practices workshops (BMPs) drew 180 people.

Program booths at the Lacamas Watershed Festival, the Home and Garden Idea Fair, and the Clark County Fair reached over 3000 people to promote awareness of the Small Acreage Outreach program.

Best Management Practices (BMPs) Guidelines

Task 1a: Reference Materials

Reference File

The Coordinator researched and acquired current information and resources for reference documents regarding Best Management Practices (BMP) guideline materials. The program maintains a resource file of 83 documents available to LOL participants. A short internet reference list of 29 websites was also compiled for LOL and workshop participants. Documents and references come from a variety of agencies, including Washington State University, Oregon State University, Penn State University, Horses for Clean Water, Cornell University, the US Environmental Protection Agency (EPA), Snohomish and Clark Conservation Districts, and the Natural Resource Conservation Service. These references comprise information on manure handling (uses, storage and composting), pasture management, rotational grazing, fencing, soil testing, horse management on limited space, sacrifice areas, watershed and groundwater protection, managing riparian zones, wetlands, septic maintenance, well head protection, decommissioning abandoned wells, mud management, and wildlife habitat enhancement.

The document titles and website references can be found in Appendix A.

Web Site Links

Links and program information were not posted on the Extension web site.

Deliverables

The BMP reference file is established and available to program participants and additional materials will be incorporated as necessary. Many of these references can be downloaded directly from the internet. LOL and workshop participants receive copies of the reference list.

The web site information and links were not completed.

Issues & Recommendations

Reference materials from other areas do not contain content specific to Clark County. At a minimum, Clark County contact information will be included with these factsheets. The four most important subjects will be modified for Clark County residents as factsheets.

When the information was completed in late 2003, the Extension site was then scheduled to be revised and the material was held back. The current schedule for the Extension site should have the material posted by the end of March 2004.

Task 1b – Fact Sheets

As articulated in the scope of work, the Coordinator is charged with developing two fact sheets in 2003 where significant gaps in information relevant to Clark County exist. One factsheet is in progress that explains the application process for current use tax designations in Clark County. This factsheet will explain the qualification criteria as well as the potential ramifications of having land in a current use property tax designation.

Deliverables

One fact sheet is in progress on *Current Use Tax Designations*. The target of two factsheets for 2003 will not be met. A second factsheet topic will be a frequently asked question format for permitting requirements for common activities on small acreages such as water withdrawals from wells and waterbodies, pond construction and/or use, easement restrictions, grading, riparian corridor activities, and tree removal.

Issues and Recommendations

The shortfall in factsheet deliverables will be made up in 2004. A total of four factsheets will be finished by December, 2004. A common format for the factsheets includes partner logos and the *Living on the Land* logos (Appendix A).

Public Education & Outreach

Task 2a: Living on the Land: Stewardship for Small Acreages

After compiling a mailing database described in Task 5, the program sent out a mailing to approximately 4600 landowners in unincorporated Clark County advertising the fall LOL class series. This mailout resulted in a list of 140 interested individuals.



Table 1	: Geog	raphi	c D	istrib	ution
(of LOL F	Partic	ipa	nts	

Battle Ground	9
Brush Prairie	4
Camas	1
La Center	6
Vancouver	6
Washougal	2
Yacolt	1

Classes met weekly at the Center for Agriculture Science and Environmental Education (CASEE) in Brush Prairie. This location is central to the small acreages in north, northeastern, and southeastern Clark County and was easily accessed by the intended audiences (Table 1).

The first Living on the Land: Stewardship for Small Acreages (LOL) class series met from September 16 through December 2, 2003. Speakers from local agencies and non-governmental organizations provided input on class structure and on incorporating the LOL

curriculum into their presentations. PowerPoint modules were adapted to fit local conditions and issues. The class syllabus (Table 2) outlines the topics and speakers.

Thirty-three participants started the class, of which 17 attended every class, eight missed one class, and seven withdrew. Of those participants who withdrew, three cited a change in their work schedule, one returned to school full time, and the remaining three did not provide a reason. An average of four drop-ins attended each session as a stand alone workshop. At the end of 2003, the class waiting list stood at 107 people.

Students in the LOL course participated in two field trips in addition to the regular class sessions. These field trips allowed participants observe how their peers deal with the same stewardship issues they face. The first field trip included two sites, the first a llama farm located in the 100 year flood plain of the East Fork of the Lewis River. The six attendees also learned how to do soil



LOL participant receives his certificate and coffee cup.

sampling. The second site visited a property devoted to forest land and a single cow/calf pair in the Salmon Creek watershed. At this site, participants examined a bio-swale constructed to filter roof runoff from the barn and shed. Participants learned how different soil types impact management decisions.

On the second field trip, eight class members toured a home under construction on a hill side in Washougal. The owner's concerns centered around weed management, septic drain field care, well head protection and a possible small acreage enterprise, such as Christmas trees, fruit trees, or

 Table 2: Living on the Land Syllabus - Fall 2003

	_	he Land Class Schedule 5, 6:30 to 9:30 p.m. unless otherwise noted	
Week	Topic	Instructor	Location
1	What Do You Have & What Do You Want? Turning Dreams into Reality Inventorying Physical Resources	Douglas Stienbarger, Director WSU Extension Clark County Rich Bachert, NRCS Resource Conservationist	CASEE 202
2	What Can You Do? Turning Dreams into Reality Inventorying Financial and Human Resources	Douglas Stienbarger Rich Bachert Sheila Pendleton-Orme, Clark County Community Development	CASEE Rm 202
3	Getting Down and Dirty With Soil Your Living Soil (Demo Soil Sampling)	Rich Bachert, NRCS Resource Conservationist	CASEE Rm 202
4	My Place on a Stream All Life Depends on Water	Gary Bock, WSU Extension, Watershed Stewards Program	CASEE Rm 206
5	Water Quality: Making the Connection between You and the Water All Life Depends on Water	Clair Clock, East/West Multnomah SWCD	CASEE Rm 202
6	Managing Soil to Keep It Productive Your Living Soil	Craig Cogger, WSU Soil Scientist	CASEE Rm 202
7	How Grass Grows, Pasture Establishment and Renovation Love Your Grass (Forage Testing)	Marty Chaney, NRCS Pasture Specialist	CASEE Rm 202
8	What to Do About Weeds Love Your Grass	Phil Burgess / Ron Hendrickson, Clark County Weed Management	CASEE Rm 206
9	Protecting Household Drinking Water All Life Depends on Water Water Testing	Reuel Emory, Environmental Health, Clark County Health Department	Dollars Corner District 11 Fire Station
10	So, You Want To Be an Animal Owner Caring for your Animals	Penny Ramey, WSU Extension Small Acreage Program	CASEE Rm 206
11	Managing Animals to Avoid Negative Impacts Caring for your Animals	Kelly Slocum, Bon Terra Inc. 253-5465 Rachel Maggi NRCS Area Biologist	CASEE Rm 202
12	Grazing Management Caring for your Animals Workshop review	Gary Fredricks, WSU Extension Clark County	CASEE Rm 206
TBA	Field Trips		Small acreage properties

wine grapes. This home relies on well water and has a "pit-less adaptor" well head with a seamless sanitary seal, underground water pipes, and no exposed wiring. The soils on the property supported a standard septic system and drain field installation. The owners said they carefully avoid running any equipment over the system to avoid damage.

The second site in the Hockinson area, a small horse operation, demonstrated creative solutions to runoff problems. In their first years on the property, the owners' daylight basement flooded often. After building a dry creek bed on either side of the house directed to a natural low area north of the home, their flooding problems ceased. They also planted this area in native vegetation.



Checking out the well head.

A tree farm in LaCenter comprised the third site on the tour where participants learned more about well head protection by examining a well head protected by a concrete cylinder with an old style split seal. Insulated by old quilts, attendees found a family of mice living in the cozy nest provided by the quilts. Thus, participants observed first hand the risks to clean water caused by an innocent management mistake where incorrect methods and materials were used.



Mice find quilt a comfortable home.

At the completion of class, one participant couple invited class members to a potluck at their home. The social and community element of class was a valuable part of class for them. Several members of the class attended and shared how the class had changed the way they make management decisions. One couple described how they now preserve more nesting trees on their property while another described efforts to plant native vegetation around a low lying area to absorb storm water.

Promotion

The Small Acreage Program purchased a full page advertisement in the Equine Services Directory published and distributed annually by the Clark County Executive Horse Council (Appendix B) at horse shows, feed and tack stores, boarding facilities, and horse clubs.

A notice describing the *Living on the Land* course was published in the WSU/ Clark College Center for Continuing Education fall catalog. The Reflector, Oregonian, and Capitol Press published program press releases (Appendix B).

Clark County's annual *Clean Water* bill insert introduced the Small Acreage Program, among other educational programs supported by Clean Water Fees.

A direct mailing targeted 4610 small acreage land owners in the unincorporated areas of Clark County (Appendix B).



LOL Promotional display.

The Coordinator created a display for use at the Lacamas Lake Watershed Festival, the Home and Garden Idea Fair, and the Clark County Fair. The free standing display included photos of BMPS and brief explanations. A selection of weeds accompanied this display at the Fair as a reminder to landowners that proper management maintains good ground cover to minimize non-point pollutants such as eroding soil and herbicides and pesticides. The Small Acreage Program shared booth space at the Clark County Fair with the Clark Conservation District, WSU Extension's Livestock Advisor Program, and the Clark County Cattle Producers. Volunteers staffed the booth and answered questions about small acreage management, handed out fact sheets, and promoted the *Living on the Land* class series. Approximately 2,185 people picked up information or asked questions at the small acreage management booth at this outreach.

Deliverables

The program successfully completed the 12 session series of the *Living on the Land:* Stewardship for Small Acreages (LOL) and "graduated" 24 people. A waiting list of 107 people will be used for the second session to begin in January 2004.

Issues and Recommendations

Although the scope of work promised 15 sessions, the class was reduced to 12 sessions to maximize the relevance to small acreage owners in Clark County by combining some curriculum segments.

Response to the direct mailing was good and would not fit within the one LOL series planned for 2004. In order to accommodate this demand, an additional LOL series was added to 2004. In addition, the program will double the class size of up to 60 people.

Task 2b: Extension Livestock Advisor (ELA) program

Due to changes in the Livestock Advisor program, no training occurred under this project as proposed in the scope of work. As a substitute, the program added four additional workshops under new Task 2c.



Fair goers are intrigued by the display of common weeds.

In addition, one ELA workshop addressed clean water issues. A pasture management workshop in April attracted 45 participants. Maintaining adequate vegetation and responsible fertilization contributes to keeping stormwater runoff clean.

ELA volunteers helped staff the program booth at the Lacamas Watershed Festival, the Home & Garden Idea Fair, and the Clark County Fair. ELA volunteers contributed 211 hours of volunteer time at these events.

Deliverables

Continuing education for existing ELA volunteers is ongoing and other outreach activities have substituted for an ELA training session.

Issues and Recommendations

There are none at this time.

Task 2c: Horse Symposium BMP Sessions & Evaluations

Substituting for Task 2b, four additional workshops comprised part of the program at the *Southwest Washington Horse Symposium* in November and drew a total of 118 participants. *Weed Management* (19 attendees) talked about managing weeds in a manner that would minimize contaminating runoff while *Conquering Mount Manure* (20 participants) examined how to manage the large amounts of manure and bedding produced by horse keeping. Again, proper manure management keeps nutrients and leachate from entering stormwater runoff. The *Environmentally Friendly Horse Keeping* workshop (45 participants) looked at horsekeeping more holistically with an emphasis on minimizing any environmental impacts. Lastly, in *A Happy Barn, For You, Your Horse, and The World Around Us* (34 attendees), Linda Royer presented on manure and storm water management, along with the use of sacrifice areas and buffers to minimize mud (and therefore sediment transport). Ms. Royer is highly regarded in the international horse community for her environmentally friendly horse care facility designs.

As seen in Appendix C, 89% of the four sessions completed evaluations and rated the sessions between 4.6 and 4.8 (on a scale of 1 - 5, with 5 being the most satisfied). Clearly, the material and presentations exceeded participant expectations.

Salmon Creek Watershed

Task 3a: Septic and Wellhead Protection

Nine sessions of the Maintenance of Wells and Septic Systems classes reached 185 homeowners in 2003. These classes are taught by Clark County Health Department Environmental Health Services Specialists. Based on restrictions that come with the Conservation District funding, this program operates only in the Salmon Creek watershed to reduce the incidence of failed septic systems. Participants learned the basics of how on-site sewage treatment systems work, the importance of regular inspections, and maintaining that system. Participants learned that homeowners bear responsibility for wellhead protection and how they can protect the purity of their drinking water. The class curriculum (Table 3) was adapted from the LOL PowerPoint presentation on septic systems and focuses on focus on how septic systems function and the necessity of maintaining the systems both to prevent pollution, and to save the landowner money by prolonging the systems' service life.

Table 3: Well Head Protection and Septic System Maintenance Classes

Time	Topic	Speaker
15 Min	Introduction	Penny Ramey, WSU Extension Becky Meats, Resource Technician, Clark CD
50 Min	Maintenance of Wells Origin of drinking water What is a well & it works Protecting water supplies How to tell if water is safe / Sampling	Joe Ellingson Environmental Health, Clark County Health Department
60 Min	Septic Maintenance & Inspection Water Pollution / Septic System Failure System Components Maintenance Steps & Typical Repairs Alternate Systems / Safety	Reuel Emery Environmental Health, Clark County Health Department
4 E N 4:0	Discussion & Fusions	

In order to promote these classes, the Clark County Health Department inserts a class schedule into the owner maintenance notice sent to owners of property that have septic systems. The program also placed paid advertisements in *The Reflector* newspaper (Appendix D) and program updates the Coordinator sends to an e-mail list of 124 people who requested small acreage management information. In order to make these workshops available to a broader number of residents, three workshops were scheduled for the afternoon hours and were well attended.

Evaluation

Staff administered post-workshop evaluations at the end of each workshop. As you can see from Table 4, all the work shops received high marks by participants. The average was no lower than 4.4 on a scale of one to five, where 5 is the highest satisfaction ranking. In addition, participant's comments indicate that these classes will or have already changed some participants' management of their wells and septic systems:

"The take home material was very helpful, especially when it comes time to inspect our system."

"The basic explanation was great. I'm a transplant from Portland and have no experience with septic systems."

Table 4: Wellhead and Septic System Workshop Evaluations

Was this lesson: (scale 1-5 with 5 being most useful)	Average
Current, up to date?	4.6
Understandable?	4.5
Presented in an interesting way?	4.4
Did the program answer any questions you had?	4.4
Will you use the information learned?	4.6
Was this program worth your time?	4.6
Participants in nine workshops	185
Evaluations Completed	112
% completed evaluations	60.5%

[&]quot;Now I understand how my system works and why maintenance is important to avoid potential problems."

Deliverables

The program completed nine workshops, thereby exceeding the goal of four workshops in 2003.

Issues and Recommendations

There are none at this time.

Task 3b: Workshops on Best Management Practices (BMP)

Three stand alone BMP workshops were held in 2003 in the Salmon Creek watershed (due to CD funding restrictions) and their agendas comprise Table 4. However, attendance was not limited to residents of the watershed. An additional four BMP workshops occurred as sessions to the Annual Horse Symposium in November. This substituted for work that changed under Task 2b.

BMP Workshops & Evaluations

The Weeds, Pastures, and Grasses workshop looked at the common weeds of Clark County and how they can be controlled. The class also examined the basics of pasture and grazing management, estimating the number of animals a pasture can support, and minimizing soil compaction and the resulting stormwater runoff quantity and quality.

[&]quot;I feel more in control of my water resources, both septic and well."

[&]quot;I was clueless; I didn't realize the damage that could be done to my drain field."

Forty-five people attended the class and two thirds completed evaluations which spoke very positively about the class. On a scale of one to five (with 5 being the most satisfied), participants ranked the class at 4.7 (summary workshop rankings can be seen in Appendix E). Attendees commented that the "handouts [were] easy to read and understand" and that "weed identification and prevention [was] well presented and easy to understand."

The *Manure Management and Composting* class on May 8th utilized an active compost pile to demonstrate composting. The presentation also talked about avoiding water stormwater runoff into creeks, streams, and storm drains by covering manure piles. This prevents nutrient leeching and runoff. Unfortunately, this workshop drew only five participants. While this workshop was promoted using press releases and email, there was no direct mailing as there was for the first workshop. Direct mailings appear to elicit a better response if enough mailings go out.

A *Field Day* on fencing, weeds, and general stewardship attracted 13 participants. (The instructor restricted class size to facilitate hands-on demonstrations.) A large-animal, electric fence more easily allows rotational grazing. Well managed grazing systems maintain ground cover that absorbs and filters potential pollutants from runoff. Such a fencing system also efficiently excludes animals from riparian zones. Evaluations averaged 4.9 overall and participant commented that the material presented was very understandable and enhanced by the hands-on session.



Mike Maggitti, Gallagher Fence, shows how it's done.

Deliverables

Three of the four BMP workshops scheduled for this two year project have been completed, leaving one additional one to be organized in 2004.

A speakers list remains to be compiled in 2004.

Issues and Recommendations

While there were no specific deliverables articulated on performing soil tests, the Clark Conservation District had committed to doing soil testing to track over-application of fertilizer or nutrient runoff adjacent to manure storage areas. However, no soil tests were conducted in 2003 because Clark CD could find no willing landowners. The program will continue try and interest LOL participants in this part of the project.

Table 5: BMP Workshop Agendas

	Weeds, Grass, and Pastures - April 24 2003							
Time	Topic	Speaker						
10 Min	Introduction	Penny Ramey, WSU Extension Becky Meats, Clark CD						
60 Min	Weeds Identification and Control (Mechanical, Biological, Chemical)	Phil Burgess Clark County Weed Management						
10 Min	Break							
60 Min	Pasture and grazing management	Gary Fredricks, WSU Extension						
10 Min	Discussion & Evaluation							

	Black Gold: Manure Composting for Small Farms - May 8, 2003							
Time	Topic	Speaker						
10 Min	Why should I compost manure?	Penny Ramey, WSU Extension						
	Introduction and Issues	Becky Meats, Clark CD						
60 Min	Biology and Fundamentals of Composting; Compost Troubleshooting	Kelly Slocum, Bon Terra						
10 Min	Break							
60 Min	Composting Systems, Structures & Equipment, Uses	Penny Ramey, WSU Extension						
10 Min	Questions and Answers / Evaluations							

	Fencing Field Day - June 21, 2003							
Time	Topic	Speaker						
10 Min	Introduction	Penny Ramey, WSU Extension						
70 Min	Weeds Identification and Control (Mechanical, Biological, Chemical)	Ron Hendrickson, Clark County Weed Management						
10 Min	Break							
60 Min	Power Fencing Basics (braces, how it works, as a psychological barrier, mechanics, role in rotational grazing)	Mike Maggitti, Gallagher Fencing Warwick Bryant, Kiwi Fencing						
30 Min	Break							
90 Min	Hands-on Fence Building (posts; braces, insulators; gates)							
15 Min	Discussion & Evaluation							

Model Farms

Task 4a: Identify suitable properties and organize tours

While model farms will have observable good management practices, it is not the expectation that these farms will be perfect, only that they do not have egregiously poor management in any criteria area. Criteria include judging buildings and the management of resulting stormwater runoff, checking the status of wells and septic systems and the activities that occur in close proximity, and noting the management of any drainage or erosion issues. Additionally, farm management on model properties should minimize sediment, nutrient, and chemical transport offsite. Finding suitable farms and willing landowners presents the biggest challenge for the project due to concerns about liability and a general distrust of government.

Four landowners volunteered their farms to serve as model farms, but following visits to two farms, neither met the criteria. These included a small family farm in Battle Ground raising goats and poultry, growing vegetables and fruit, and managing an acre of woods. The other was a horse farm near Venersborg.

The Coordinator has not yet visited the remaining two farms. They include a horse farm in the Daybreak area on a tributary to the East Fork of the Lewis River and a horse farm in the Salmon Creek area.

Farm Tours

Since suitable model farms have not yet been identified, no tours have been implemented. As a result, all four farm tours will be held in 2004.

The Coordinator attended a farm tour in NW Oregon to observe. Based on what was learned, the small acreage program farm tours will incorporate a short class on *Practical Best Management Practices for Small Acreages* prior to the actual farm tour.

An attempt was made to schedule a summer tour / workshop of a horse farm, but due to a communication delay with the farm operator, there was insufficient time to properly promote the event. The event was cancelled. Based on this experience, the program will not schedule tours during the summer which tends to be the busiest season on farm operations.

Manure Compost Demonstration Site

Arrangements were made to build a manure composting demonstration site at the WSU Vancouver Research and Extension Unit. However, due to the possible relocation of the WSU Research and Extension unit to the WSUV campus, the Coordinator suspended this work. The program did organize one workshop at a temporary manure composting demonstration site on the research station grounds.

Deliverables

Model Farms. No farms have yet been accepted. Two farms remain to be judged for suitability.

Farm Tours. No farm tours have been conducted on model farms.

Manure Compost Demonstration Site. This deliverable has been dropped due to site location problems and will help free up enough of the Coordinator's time to add a third LOL series to handle demand.

Issues and Recommendations

This deliverable proved to be more time consuming than anticipated. Two model farms will be identified in the spring of 2004 and two tours conducted. The final two tours will occur in the fall.

Task 4b: Signage Recognition Program.

The Coordinator established an informal group to assist in evaluating potential properties for inclusion in the signage recognition program as *Clean Water Farms of Merit*. Committee members include a large animal veterinarian, a Livestock Advisor board member, the Clark CD Resource Technician, and two local small acreage farmers. Properties will be evaluated on their use of BMPs that reduce potential contamination of storm water runoff (see criteria in Appendix D). BMPs include the use of gutters and downspouts to redirect water, armored sacrifice areas for livestock, grassy buffers, and/or manure composting. The use of other storm water management tools such as rain gardens is desirable. Once the Coordinator completes site visits, recommendations will be made to the Project Director and the Clark County liaison to make a final determination.

Of the six properties under consideration for recognition, only one has been visited.

Deliverables

Due to inclusion of a third LOL series, the number of total recognition farms was reduced to 10, five for each year of the project. No properties are enrolled in the signage recognition program at this time.

Issues and Recommendations

This deliverable did not see much progress in 2003. As the organization of the LOL series becomes more routine, the Coordinator will devote more time to completing this deliverable.

The Coordinator did not obtain initial quotes for signs but this will be done in January 2004.

A template design for signage has not been agreed upon between Extension and the County. There was some concern about maintaining a consistent look for county materials. This has delayed the finalization of a design.

Outreach Database

Task 5 – Working Mailing List

The program completed a mailing list using the Clark County GIS information. The list consists of 4610 property owners from the unincorporated areas of Clark County. Twelve percent of the list comprises people who own from one to five acres, while 67% own between five acres and ten acres. The remaining 21% own ten acres or more. In winnowing the list down from over 65,000 parcels, multiple parcels were dropped along with commercial enterprises, trusts, estates, non resident owners, and public lands. As much as possible, lands in agricultural zoning were retained, along with larger residential zoning.

Deliverables

This deliverable has been met.

Issues and Recommendations

In the interests of providing a cost-effective contact list, there are undoubtedly parcels missed or excluded whose owners could benefit from the LOL course. In addition, the manner in which the unincorporated areas were outlined in the arcview GIS program is not exact and undoubtedly excluded some landowners just outside the urban boundaries. Lastly, there are also landowners within the urban boundaries who could benefit from this program, but given the major source of funding for the LOL program; it was felt that these landowners should be excluded. Thus, while the list is by no means a perfect instrument, it does tend to capture the vast majority of properties that can most benefit from the LOL program.

Impact Evaluation and Project Reporting

Task 6a: Evaluation

Living on the Land

Standard evaluation forms available in the *Living on the Land* curriculum (Appendix E) are currently used for each class session. Participants rate each session on a one through five scale (five being "very satisfied" and one being "not at all satisfied") in each of seven categories (Table 5). As this table shows, participants ranked the class sessions consistently high in all seven areas. It is important to note that participants also thought that they would use the information to implement improved practices on their properties. Such improved management would positively impact surface waters. The high marks in class evaluations indicate that LOL content and delivery are performing as intended. Participants also commented:

"I liked getting a map of my place."

"It was fun to meet others in the same situation."

"This is exactly what I came for."

"I didn't realize that there are so many factors to consider when managing pastures and grass." "Interpreting soil test results was very useful."

"Listing assets and plotting out my property was the best part."

I learned to deal with weeds at the appropriate time in the weed's life cycle."

"There is more to raising animals than meets the eye. I am having second thoughts about having animals on my property."



One couple began composting as a result of participating in the LOL. They wrote, "Just wanted to let you know the talk on composting inspired me to build a compost bin. Thought you might like to see how it turned out. We highly recommend the class and continue to do so to our friends."

Comments on the evaluations are used to refine the course content

pres entat ions as nece ssar y. Bas

ed on the succ ess

Table 6: LOL Session Evaluation Summary

The lesson:	Inventory	Inventory	Soils	Soils	Water	Water	Water	Grass	Grass	Animal	Animal	Animal	Average
THE TESSET.	1	2	1	2	1	2	3	1	2	1	2	3	Average
Current?	4.5	4.5	4.5	4.9	4.7	4.6	4.8	4.9	4.6	4.7	4.4	4.7	4.7
Understandable?	4.5	4.4	4.5	4.6	4.9	4.4	4.8	4.8	4.5	4.8	4.8	4.7	4.6
Presented well?	4.4	4.1	4.4	4.9	5.0	4.3	4.6	4.7	4.0	4.7	4.8	4.6	4.5
Answered questions you had?	3.7	4.2	4.2	4.7	4.2	4.1	4.7	4.8	4.0	4.6	4.1	4.7	4.3
Increased your knowledge?	3.4	4.3	4.3	4.5	4.2	4.1	4.6	4.7	4.1	4.5	4.1	4.7	4.3
Use information learned?	4.0	4.5	4.8	4.8	4.4	4.3	4.7	4.9	4.5	4.4	4.4	4.3	4.5
Worth your time?	4.2	4.4	4.8	5.0	4.4	4.3	4.8	4.9	4.1	4.8	4.6	4.7	4.6
Average	4.1	4.3	4.5	4.8	4.5	4.3	4.7	4.8	4.3	4.6	4.5	4.6	

of the LOL series to date, the Oregon Metro Small Farms Team expressed interest in emulating this Clark County Program.

Living on the Land Impact Assessment

An impact survey evaluation of LOL participants will be conducted in late summer / early fall 2004 in order to have the analysis complete for the Project Report in January 2005. A survey conducted prior to this time would likely not allow enough time for LOL participants to implement practices. Participants of the first two LOL series will be contacted. A survey questionnaire will be drafted and tested. Surveys will be administered by telephone. Respondents will be asked several questions to determine what management practices they

implemented based on the LOL class information and any other behavioral changes that resulted from their learning experience.

The data will be analyzed to determine the extent to which this program resulted in changed behaviors conducive to improving the maintaining or improving the quality of surface runoff. If time permits, the program will also administer a survey to Clark CD farm plan holders to compare implementation rates.

Wells & Septic System Workshop Evaluations

See Task 3b and Appendix C.

BMP Workshop Evaluations

See Task 3b and Appendix C.

Issues and Recommendations

Post-class evaluations only survey participants' intent. It is difficult to measure the impact that increased knowledge of BMP's has on an individual's behavior. The planned impact assessment survey will thus better indicate the effectiveness of the intensive education provided by the LOL series. This will determine if the individuals actually change practices on their properties.

Deliverables

The deliverables in this task are on target.

Task 6b: Progress Report

Quarterly reports were submitted on time during 2003 and contained the information as detailed in the scope of work: reports on activities, e. g, workshop facilitation, progress on tasks, etc.; summaries of workshop / tour evaluations; justification for recommended changes as in the LOI training; curriculum synopses used in training sessions; and copies of all materials developed during the year.

The Coordinator tracked workshop attendance and 351 requests for information in 2003. This included requests for information on pastures, hay, seed varieties, water quality, septic systems, manure management, manure composting, mud management, weeds, and wildlife enhancement. The Coordinator answered the simpler requests and referred the remainder to appropriate Extension and partner agency staff.

Deliverables

The deliverables in this task are on target.

Table 7: Progress Summary

		Program Elements	Audience	Goal	Qtr 1	Qtr 2	Qtr 3	Qtr 4	YTD	% Done
	Task 1a	Reference Materials								
Best		Compile reference materials	Public	15-May	0	0	0	0		
Management		Post links to web site	Public	30-Jul	0	0	0	0	0	0.0%
Practices	Task 1 b	Fact sheets	Public	2	0	0	0	0	0	0.0%
	Task 2 a	Living on the Land Class Series	Public	1	0	0	1	0	1	100.0%
		Attendance	Public	20	0	0	28	0	28	140.0%
Public		Outreach events	Public	4	0	2	2	0	4	100.0%
Education		Contacts	Public	1000	0	400	2185	0	2585	258.5%
and Outreach	Task 2 b	Livestock Advisor continuing education	Volunteers	+	0	17	0	0	17	
and Outreach		BMP sessions in Horse Symposium *	Public	4	0	0	0	4	4	100.0%
		Attendance	Public	80	0	0	0	118	118	147.5%
	Task 3a	Septic / wellhead protection workshops	Public	4	3	1	3	2	9	225.0%
Salmon Creek		Workshop Attendance	Public	80	50	23	70	42	185	231.3%
Watershed	Task 3b	Best management practices workshops ++	Public	4	0	3	0	0	3	75.0%
watersneu		Workshop Attendance	Public	80	0	63	0	0	63	78.8%
		Speakers list	Admin	1	0	0	0		0	0.0%
	Task 4a	Identify suitable farms/properties		2	0	0	0	0	0	0.0%
Model Farms		Conduct two organized tours	Public	2	0	0	0	0	0	0.0%
& Signage		Complete manure compost demo site	Public	1 +	0	0	0	0	0	+
& Signage	Task 4b	Farm BMP signage recognition program	Farms	5	0	0	0	0	0	0.0%
Outreach	Task 5	Mailing list	Admin	1	0	0	1	0	1	100.0%
DataBase										
	Task 6a	Workshop Evaluations	Admin	16	4	3	3	6	16	100.0%
		Requests for assistance	Public	On-demand	111	151	180	149	591	
Evaluation		Websit hits	Public	1	0	0	0	0	0	0.0%
and Project		Impact Evaluation **	Admin	On-going	0	0	0	0		
Reporting	Task 6b	Quartrly reports	Admin	3	1	1	1	0	3	100.0%
		Annual report	Admin	1	0	0	0	1	1	100.0%

⁺ deliverable eliminated; * Deliverable Added ** Deleverable defered to 2004 ++ Goal for 2003 & 2004

Appendix A: Reference Materials

Reference File Titles

Website References

Factsheet Template

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Pest management: Early detection and treatment of pests means a healthier growing environment. April 1998, 4 pp

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Factsheet Template



Keeping Clean Water Clean Title Title Title Title

TEXT



Washington State University Extension -- Clark County Clean Water Program
Clark Conservation District

Living on the Land is sponsored in partnership by WSU Extension Clark County, the Clark County
Clean Water Program, and the Clark Conservation District

Extension programs are available to all without discrimination. Report evidence of noncompliance to your local Extension office. If you require special accommodation, call WSU Extension Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

~~ Page 2 ~~

Appendix B: Program Promotion

EQUINE SERVICE DIRECTORY ADVERTISEMENT

PRESS RELEASE

PRESS CLIPPINGS

DIRECT MAILING

EQUINE SERVICE DIRECTORY ADVERTISEMENT

live on acreage

Interested in improving the well-being of your animals? Dream of better productivity of your pasture? Want to reduce chore time? Want a better look for your property? Interested in protecting your drinking water and streams?

Living on the Land is designed especially for you!

Living



the Land

A Program for Small Acreages



- Identify your goals, resources, opportunities, and limitations.
- Create a management plan that works for you and your animals.
- Enhance soil fertility, reduce erosion, improve drainage.
- Control surface water to protect your drinking water, reduce mud, turn manure into a resource.
- Weed control, managing grasses, renovating pastures.
- Animal care basics, practical farm layout, earth friendly tips on managing your animals.
- Potential restrictions on animals near streams or wetlands.

For information, call Penny Ramey at WSU Extension, Clark County 360-397-6060 x7720





World Class. Face to Face.



Cooperative Extension programs and employment are available to all without discrimination. Noncompliance may be reported through your local Cooperative Extension office.

PRESS RELEASE

Living on the Land Stewardship for Small Acreages

For Immediate Release August 12, 2003

Contact:

WSU Cooperative Extension (360) 397-6060 Penny Ramey at ext. 7720 Doug Stienbarger at ext. 7716 Fax (360) 260-6161

Brush Prairie, Washington. Landowners are invited to attend a free workshop series, "Living on the Land - Stewardship for Small Acreages" which addresses issues unique to both new and experienced owners of acreage or small farms. Topics include mud and manure management, pasture management, placement of outbuildings, fencing, surface water and groundwater protection, as well as animal care.

The workshops, sponsored in partnership by WSU Extension, Clark County's Clean Water Program, and the Clark Conservation District, will be held on Tuesday evenings from 6:30-9:30 p.m. beginning September 16th through December 2, 2003. To register or for more information, call WSU Extension at (360)397-6060 ext. 0.

"We see a lot of people moving onto these acreages that don't have the experience long-time residents may have," remarks Doug Stienbarger, Director of the local Extension office. Penny Ramey, Small Acreage Program Coordinator with WSU Extension adds, "The workshops teach landowners to inventory their property and identify goals, resources and opportunities for their land. Participants will learn the basics of improving pasture by enhancing soil fertility, reducing erosion, weed control, and improving drainage. Those with animals will learn earth friendly tips to manage their animals, such as how to reduce mud and take care of manure piles."

There is no charge for the workshops, however lab tests appropriate for each property are strongly recommended and an essential part of the class. The optional lab fee, which ranges from \$25 to a maximum of \$87, covers soil, water, and forage testing and will vary depending on your needs.

Cooperative Extension programs are available to all without discrimination.

If you require special accommodation, call W.S.U. Cooperative Extension Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

PRESS CLIPPINGS



Stewardship classes to begin Sept.16

Landowners are invited to attend a free workshop series, "Living on the Land - Stewardship for Small Acreages," which addresses issues unique to both new and experienced owners of acreage or small farms.

Topics include mud and manure management, pasture management, placement of outbuildings, water protection, as well as animal care.

partnership by WSU Extension, Clark County's Clean Water Program, and the Clark Conservation District, will be held on Tuesday evenings from 6:30 to 9:30 p.m. beginning Sept. 16 through Dec. 2. To register or for more informa- depending on need.

BRUSH PRAIRIE, Wash. - fencing, surface water and ground- tion, call WSU Extension at (360)397-6060, ext. 0.

> There is no charge for the work-The workshops, sponsored in shops; however, lab tests appropriate for each property are strongly recommended and an essential part of the class. The optional lab fee, which ranges from \$25 to a maximum of \$87, covers soil, water, and forage testing and will vary

3M N

THE OREGONIAN . MONDAY, AUGUST 18, 20

COUNTY CURRENTS

Free classes offer guidance in caring for small acreages

VANCOUVER — Washington State University Clark County Cooperative Extension will sponsor a free workshop series, "Living on the Land: Stewardship for Small Acreages." Registration is being

taken for the 12-week class. which meets 6:30 to 9:30 p.m. Tuesdays from Sept. 16 through

The series is designed for both new and experienced property and small-farm owners. Discussion topics include mud and manure management, pasture management, placement of outbuildings, fencing, surface water. groundwater protection and animal care.

Laboratory tests, appropriate for each property, are not mandatory but are available and strongly recommended. Lab fees range from \$25 to \$87, depending on need, and will cover soil, water and forage testing.

The series is co-sponsored by the extension, Clark County's Clean Water Program and the Clark Conservation District. For class location and registration call the extension office at 360-397-6060, ext. 0.

Page A12 - The Reflector - Sept. 3, 2003

Free septic workshop offered

Two free workshops on the maintenance of septic systems will be offered Wed., Sept. 10. at Fire District 11. Dollars Corner station, 21609 NE 72nd Ave., Battle Ground.

The first workshop is set for 3-5:30 p.m., and the second 6:30-9 p.m.

Homeowners will learn to properly maintain septic systems, prevent costly repairs

and protect drinking water from contamination.

The workshops are sponsored by Washington State University cooperative extension, the Clark County Health Depart-ment, Clark County Clean Water Program and the Clark Conservation District.

Information, 397-6060, ext.

Small acreage steward training set

A free series of workshops and animal care. called "Living on the Land--Stewardship for Small Acreages" will be conducted Tuesday evenings, Sept. 16-Dec. 2, 6:30-9:30 p.m., through the Washington State University cooperative extension program.

Topics include mud and

The workshops are designed to teach landowners to inventory their property and identify goals, resources and opportunities for their land, said Doug Stienbarger of the extension office.

The workshops are free, with manure management, pasture an optional lab fee of \$25-87 management, placement of for soil, water and forage outbuildings, fencing, surface testing. Information, Penny and ground water protection, Ramey, 397-6060, ext. 7720.

DIRECT MAILING



Dear Friends and Neighbors,

I am happy to invite you to attend a free workshop series "Living on the Land - Stewardship for Small Acreages". This program is one of the most complete and comprehensive class of its type that I have been able to offer. I hope that you are as excited about attending as I am.

The course begins by helping you to identify your goals, resources and opportunities for your land. Each workshop builds on the previous class to increase your understanding of soils, fertility, erosion and drainage to reduce mud and keep your drinking water and streams clean. As you gain insight into soil, water, plant, and animal interactions, you can refine your management practices to save you time, reduce your long term costs and preserve your land's value.

While there is no charge for these workshops, lab tests appropriate for your property are strongly recommended and an essential part of the class. The lab fee covers soil, water, and forage testing and will vary depending on your needs. The lab fees range from \$25 for water test to a maximum fee of \$87.

"Living on the Land - Stewardship for Small Acreages"
Tuesday September 16, through December 2, 2003
6:30 to 9:30 PM
Center for Agriculture Science and Environmental Education (CASEE)
11104 NE 149th Street
Brush Prairie WA 98606
To register call WSU Extension at 360.397.6060 ext 0

What Do You Gain From Attending?

- Preserve or improve the value of your land and home.
- Identify your goals, resources and opportunities.
- Receive information on developing a realistic management plan.
- Enhance soil fertility, reduce erosion, improve drainage, and reduce mud.
- Keep your drinking water and streams clean.
- Develop ideas and strategies to sustain or improve your acreage by becoming a better resource manager.

Questions? Call me at 397.6060 ext 7720.

Penny Ramey Small Acreage Program

Sponsored by the Clark County Clean Water Program, the Clark Conservation District and WSU Extension.







Appendix C: BMP Workshops

WELLS & SEPTIC SYSTEMS 2003 SCHEDULE

Wells & Septic Systems Workshop Advertisement

DIRECT MAILING

PUBLISHED PRESS RELEASE

BMP WORKSHOP EVALUATIONS

HORSE SYMPOSIUM FLYER

HORSE SYMPOSIUM BMP SESSION EVALUATIONS

Wells & Septic Systems 2003 Schedule

Date	Time	Location
January 15	6:30 to 9:00	Fire District 6 Station #2 Felida
March 11	3:00 to 5:30 and 6:30 to 9:00	Fire District 11 Dollars Corners
May 14	6:30 to 9:00	Public Safety Complex
July 8	6:30 to 9:00	Fire District 3, Hockinson
September 10	3:00 to 5:30 and 6:30 to 9:00	Fire District 11 Dollars Corners
November 12	3:00 to 5:30 and 6:30 to 9:00	Fire District 11 Dollars Corners

Wells & Septic Systems Workshop Advertisement



The Reflector, March 5, 2003

DIRECT MAILING

Dear Friends and Neighbors,

You are invited to attend a free "**Weeds, Grass and Pastures**" workshop to learn cost-effective land management techniques for your property. This workshop, sponsored by WSU Cooperative Extension, The Clark County Clean Water Program, and Clark Conservation District, is part of a new program called *Living on the Land* which provides education to rural and not so rural landowners.

Learn about noxious weed identification and control, restoration of degraded pastures, seed varieties and planting techniques as well as conservation planning and programs that offer technical and financial assistance. In addition, you will receive a free "Small Acreages Conservation Toolbox" resource folder and other reference materials with useful information about practices to enhance your land's value and profitability.

What Do You Gain From Attending?

- Add value to your land and home.
- Identify and control noxious weeds.
- Prevent soil, water, and wind erosion.
- Protect nearby surface water and your drinking water
- Maintain cost effective production with conservation.
- Receive information on developing a realistic management plan.
- Develop ideas and strategies to sustain or improve your acreage by becoming a better resource manager.

"Weeds, Grass and Pastures" Workshop
Thursday April 24 6:30 to 9:00 PM
Center for Agriculture Science and Environmental Education (CASEE)
11104 NE 149th Street
Brush Prairie WA 98606

To register call WSU Extension at 360.397.6060 extension 0

I hope you can attend this informative workshop. Be sure to watch for announcements of future sessions focusing on issues unique to managing small acreage in your mail, at local feed stores, and in the newspapers. Please call me at 360-397-6060, extension 7720 if you have any questions about this workshop or other educational opportunities through *the Living on the Land* Program

Sincerely,

Penny Ramey Coordinator, Small Acreage Program

PUBLISHED PRESS RELEASE

C4 THE COLUMBIAN

TUESDAY, JUNE 17, 2003

Don't sit on fence, learn to build it

Cooperative extension offers free course at farm in La Center

The Columbian

LA CENTER — Greenhorns and even old farmers who want to learn something new are invited to a free, hands-on fencing field day here on Saturday.

The field day will teach the realities of fencing and pasture management on a local small-acreage farm. The session will run from 9 a.m. to

2 p.m. at 10601 N.E. 359th St., La Center. Mike Maggitti of Gallagher Power Fence Inc. will serve as the instructor.

Participants will learn about fence placement, corner posts and H braces, as well as electric fencing and how it works, said Penny Ramey, small acreage coordinator of Washington State University-Clark County cooperative extension.

Students will build a section of New Zealand fence and all participants will have the opportunity to learn proper technique for building a successful fence. In other areas of farming, Ramey said, an expert from the weed management department will be on hand to answer questions.

Experts also will be available throughout the day to answer questions on pasture, manure composting and other stewardship topics, she said.

Space is limited to the first 20 participants. Pre-registration is required at 397-6060, Ext. 0.

Participants should bring a sack lunch and dress appropriately for the weather as well as for building a fence, including proper boots and gloves.

BMP Workshop Evaluations

	3/24/03						
Weeds, Grass & Pastures		low				high	Averag
	Was this lesson:	1	2	3	4	5	
Gary Fredricks	Current, up to date?				3	27	4.9
WSU Clark County Extension	Understandable?				4	26	4.9
	Presented in an interesting way?				9	21	4.7
Phil Burgess	Did the program answer any questions you had?				8	22	4.7
Clark County Weed Management				3	8	19	4.5
	Was this program worth your time?			2	4	24	4.7
4	45 Participants						4.7
	30 Evaluations Completed	3	hours	3			
	35 contact hours						
	5/8/03						
Manure Composting		low	,			high	Averag
	Was this lesson:	1	2	3	4	5	
Kelly Slocum	Current, up to date?					4	5.0
Bonterra	Understandable?					4	5.0
	Presented in an interesting way?					4	5.0
Penny Ramey	Did the program answer any questions you had?				1	3	4.8
WSU Clark County Extension	Will you use the information learned?					4	5.0
Small Acreage Program	Was this program worth your time?					4	5.0
	5 Participants						5.0
	4 Evaluations Completed	3	hours	3			
•	15 contact hours						
	6/21/03						
Fencing For		low	_			_	Averag
Pasture Management	Was this lesson:	low 1	2	3	4	5	
Pasture Management Mike Maggitti	Was this lesson: Current, up to date?	_	_	3	1	5	4.9
Pasture Management Mike Maggitti	Was this lesson: Current, up to date? Understandable?	_	_	3	1	5 8 8	4.9 4.9
Pasture Management Mike Maggitti Galagher Power Fence	Was this lesson: Current, up to date? Understandable? Presented in an interesting way?	_	_	3	1 1 1	5 8 8 8	4.9 4.9 4.9
Pasture Management Mike Maggitti Galagher Power Fence Ron Hendrickson	Was this lesson: Current, up to date? Understandable? Presented in an interesting way? Did the program answer any questions you had?	_	_	3	1 1 1	5 8 8	4.9 4.9 4.9 4.9
Pasture Management Mike Maggitti Galagher Power Fence Ron Hendrickson Clark County Weed	Was this lesson: Current, up to date? Understandable? Presented in an interesting way? Did the program answer any questions you had? Will you use the information learned?	_	_	3	1 1 1 1 2	5 8 8 8 8 7	4.9 4.9 4.9 4.9 4.8
Pasture Management Mike Maggitti Galagher Power Fence Ron Hendrickson Clark County Weed	Was this lesson: Current, up to date? Understandable? Presented in an interesting way? Did the program answer any questions you had?	_	_	3	1 1 1	5 8 8 8	4.9 4.9 4.9 4.9
Pasture Management Mike Maggitti Galagher Power Fence Ron Hendrickson Clark County Weed Management	Was this lesson: Current, up to date? Understandable? Presented in an interesting way? Did the program answer any questions you had? Will you use the information learned?	_	_	3	1 1 1 1 2	5 8 8 8 8 7	4.9 4.9 4.9 4.9 4.8
Pasture Management Mike Maggitti Galagher Power Fence Ron Hendrickson Clark County Weed Management	Was this lesson: Current, up to date? Understandable? Presented in an interesting way? Did the program answer any questions you had? Will you use the information learned? Was this program worth your time?	1	_		1 1 1 1 2	5 8 8 8 8 7	4.9 4.9 4.9 4.9 4.8 4.8

Total Participants 63
Evaluations completed 43
% completed evaluations 68.3%

HORSE SYMPOSIUM FLYER (WORKSHOPS A2, A4, B2, C2)



November 1, 2003 9:00 – 3:30 pm Washington State University Vancouver Campus

Welcome to the 2003 Southwest Washington Horse Symposium.

Presorted Standard U.S. Postage and Fees Paid Permit No. 130 Vancouver WM

WSU CLARK COUNTY EXTENSION 11104 NE 149TH STREET C-100 BRUSH PRAIRIE WA 98606

Session A

A1 West Nile and other Emerging Diseases

Scot Lubbers, Amazia Veterinary Clinic

Learn about changes in Equine Vaccinations. Dr. Scot will cover a variety of vaccines including EPM, Rhino, and West Nile Virus, critical timing for adult horses and foals.

A2 "A Happy Barn, For You, Your Horse, and The World Around Us"

Linda Royer, Equine Facility Design

Design ideas, examples and thoughts about how to construct a barn that creates a happy, healthy, safe and beautiful environment for your horse to live in and for you to enjoy; explore the costs and benefits in time and results from good planning.

A3 Your Horse and How to Live With It

Barb Funk, Dove Creek Farm

Whole system approach to achieving long term soundness for your horse while maintaining your sanity. Get back to basics in selection, housing, riding, and management.

A4 Weed Management

Phil Burgess, Director Clark County Weed Management

Weed Warriors: Winning the fight against noxious, invasive, and poisonous plants. What you don't know can kill your horse! Learn to identify and control plants that don't belong in your pastures.

B1 Limb Deformities in Foals – Angular Contractural and Rotational Dr. Jan Palmer, Willamette Valley Equine Surgical and Medical Center

Overview of congenital and developmental limb deformities in foals; emphasis on recognition of problem and treatment options.

B2 Environmentally Friendly Horse Keeping

Karin Hunt, Shady Springs Farm

Karin will share how she transformed her property. Manure storage, gutters, drainage ditches and streamside protection have made life easier for horses, riders, and herself.

B3 Performance Balancing

Dr. Joe Lally, Chiropractor

B4 Leave No Trace

Tom Herrin, Back Country Horsemen

An introduction to leave no trace skill and ethics.



Session

C1 Traveling Concerns

Dr. Jennifer Saunders, Willamette Valley Equine Surgical and Medical Center How to keep your horse happy and healthy over long distances.

C2 Conquering "Mount Manure"

Kelly Slocum, Chief Science Officer, Bon Terra Inc.

This lively discussion will untangle composting contradictions and introduce you to composting science and art. Kelly will present system options, including the fascinating practice of using worms to compost (vermicomposting).

C3 Saddle Fitting

Dr. Dennis O'Brien, Non-Force Chiropractic Get the facts about proper saddle fit.

C4 Shooting Horses – Improve Your Skills at Equine Photography

Mary Cornelius, Equine Photographer

Getting good photos of your horse doesn't need to be that hard and doesn't require fancy equipment if you follow a few simple rules.



D1 Equine Acupuncture

Dr. Mike Foss, Alpine Veterinary Hospital

Dr Foss specializes in performance horse medicine, lameness and rehabilitation and utilizes many forms of non-traditional treatments. He is a highly qualified and respected speaker.

D2 What's Sex Got to Do With It?

Mary Ann Simonds, Whole Horse Institute

Horse culture and the behavioral differences between mares, geldings and stallions.

D3 TTEAM For You and Your Horse

Debby Potts, TTEAM and TTouch Instructor

This fun and effective technique can help you to achieve your goals with optimal performance, health, and behavior while helping you to have a deeper connection with your horse.









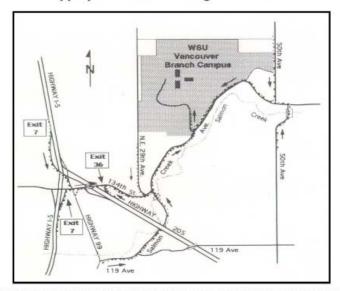
CLARK COUNTY CLEAN WATER PROGRAM

Cooperative Extension programs are available to all without discrimination. Persons with a disability requiring special accommodations may call WSU Cooperative Extension-Clark County at (360) 397-6060 x 0.

Registration: \$25.00 per person, \$15.00 for youth 14 and under. Youth must be accompanied by an adult.

Lunch is included in the cost of registration.

If you wish to order a vegetarian meal, please check the appropriate box on the registration form.



Workshop Schedule					
8:30 - 9:00 AM	Registration				
9:00-10:15 AM	Session A				
10:30-11:45 PM	Session B				
11:45-12:30 PM	Lunch				
12:45 - 2:00 PM	Session C				
2:15 - 3:30 PM	Session D				

We would like to thank
The Clark County
Executive Horse Council
for their sponsorship and support.

For more information, contact: WSU Extension Livestock Advisors or Penny Ramey, Small Acreage Program at (360) 397-6060 ext. 7720

 \times \times Detach Here \times \times \times

Mail Registration with payment to:

WSU Extension Livestock Advisors Building C-100 11104 NE 149th Street Brush Prairie WA 98606

Name		
Address		
Phone	E-Mail	

Southwest Washington

Registration Form

Horse Symposium

Please make your check payable to: WSU Extension Livestock Advisors

REGISTRATION DUE BY OCTOBER 24

Each class has a letter and number designation.

Please use these designations to indicate your choice of classes.

Session A	Session B	Session C	Session D	Vegetarian?
	Session A	Session A Session B	Session A Session B Session C	Session A Session B Session C Session D

HORSE SYMPOSIUM BMP SESSION EVALUATIONS

	11/1/03						
Barn Layout		low				high	Average
	Was this lesson:	1	2	3	4	5	
_inda Royer	Current, up to date?				5	22	4.8
Equine Facilities Design	Understandable?				5	22	4.8
	Presented in an interesting way?		1	3	3	19	4.5
	Did the program answer any questions you had?			3	11	13	4.4
	Will you use the information learned?	1		2	5	19	4.5
	Was this program worth your time?	1			6	20	4.6
	Participants	34					
	Evaluations Completed	27		Overall Aver 4.6			
	Length (hrs)	1				-	
	contact hours	34					

11/1/2003	low				high	Average
Was this lesson:	1	2	3	4	5	
Current, up to date?				4	13	4.8
Understandable?			1	4	12	4.6
Presented in an interesting way?			2	4	11	4.5
Did the program answer any questions you had?		1	2	4	10	4.4
Will you use the information learned?				3	14	4.8
Was this program worth your time?			1	3	13	4.7
Participants	19					
Evaluations Completed	17			Over	all Aver	4.6
Length (hrs)	1				'	
contact hours	19					
	Was this lesson: Current, up to date? Understandable? Presented in an interesting way? Did the program answer any questions you had? Will you use the information learned? Was this program worth your time? Participants Evaluations Completed Length (hrs)	Was this lesson: Current, up to date? Understandable? Presented in an interesting way? Did the program answer any questions you had? Will you use the information learned? Was this program worth your time? Participants 19 Evaluations Completed 17 Length (hrs) 1	Was this lesson: Current, up to date? Understandable? Presented in an interesting way? Did the program answer any questions you had? Will you use the information learned? Was this program worth your time? Participants 19 Evaluations Completed 17 Length (hrs) 1	Was this lesson: Current, up to date? Understandable? Presented in an interesting way? Did the program answer any questions you had? Will you use the information learned? Was this program worth your time? Participants Participants 19 Evaluations Completed 17 Length (hrs) 1	Was this lesson: Current, up to date? Understandable? Presented in an interesting way? Did the program answer any questions you had? Will you use the information learned? Was this program worth your time? Participants Participants Participants 19 Evaluations Completed 17 Over Length (hrs) 1	Was this lesson: 1 2 3 4 5 Current, up to date? 4 13 Understandable? 1 4 12 Presented in an interesting way? 2 4 11 Did the program answer any questions you had? 1 2 4 10 Will you use the information learned? 3 14 Was this program worth your time? 1 3 13 Participants 19 Evaluations Completed 17 Overall Aver Length (hrs) 1 0

	11/1/03						
Mount Manure		low				high	Average
	Was this lesson:	1	2	3	4	5	
Kelly Slocum	Current, up to date?				3	17	4.9
Bonterra	Understandable?				5	15	4.8
	Presented in an interesting way?				5	15	4.8
	Did the program answer any questions you had?			1	4	15	4.7
	Will you use the information learned?				4	16	4.8
	Was this program worth your time?				4	16	4.8
	Participants	20					
	Evaluations Completed	20		Overall Aver 4.8		4.8	
	Length (hrs)	1					
	contact hours						
	contact hours	20					

4	11/1/03						
Environmentally		low				high	Average
Friendly Horse Keeping	Was this lesson:	1	2	3	4	5	
Karin Hunt	Current, up to date?			3	13	21	4.5
Shady Springs Farm	Understandable?		1	4	11	25	4.5
	Presented in an interesting way?		1	3	11	25	4.5
	Did the program answer any questions you had?			5	13	23	4.4
	Will you use the information learned?	1	3	3	9	25	4.3
	Was this program worth your time?	1	2	4	7	27	4.4
	Participants	45		•	•	•	
	Evaluations Completed	41	Overall Aver 4.4			4.4	
	Length (hrs)	1					
	contact hours	45					

Total Participants 118
Evaluations completed 105
% completed evaluations 89%

WELLS AND SEPTIC SYSTEM EVALUATIONS

	1/15/2003	low				high	Average
Reuel Emory	Was this lesson:	1	2	3	4	5	
Clark County Health Department	Current, up to date?		1	1	4	4	4.1
Joe Ellingson	Understandable?		1	1	4	4	4.1
ark County Health Department e Ellingson ark County Health Department 11 11	Presented in an interesting way?		1	1	4	4	4.1
	Did the program answer any questions you had?		1	1	4	4	4.1
	Will you use the information learned?		1	2	2	5	4.1
	Was this program worth your time?		1	0	4	5	4.3
11 Participants		2.5	hours		Overall Av	erage	4.1
	Evaluations Completed contact hours	2.5	nours				

	3/11/2003 3:00pm	low				high	Average
Reuel Emory	Was this lesson:	1	2	3	4	5	
Clark County Health Department	Current, up to date?				6	4	4.4
Joe Ellingson	Understandable?			2	3	5	4.3
Clark County Health Department	Presented in an interesting way?	1	1		3	5	4.0
	Did the program answer any questions you had?				4	6	4.6
	Will you use the information learned?			1	2	7	4.6
	Was this program worth your time?				3	7	4.7
14 Participants10 Evaluations Completed		2.5	hours		Overall Av	erage	4.4
	contact hours						

	3/11/2003 18:30	low				high	Average
Reuel Emory	Was this lesson:	1	2	3	4	5	
Clark County Health Department	Current, up to date?				4	8	4.7
Joe Ellingson	Understandable?				4	8	4.7
Clark County Health Department	Was this lesson:	10	4.8				
	Did the program answer any questions you had?			1	5	6	4.4
	Will you use the information learned?				3	9	4.8
	Was this program worth your time?				4	8	4.7
12	Evaluations Completed	2.5	hours	4 8 Overall Average		4.7	

	5/14/2003	low				high	Average
Reuel Emory	Was this lesson:	1	2	3	4	5	
Clark County Health Department	Current, up to date?				6	10	4.6
Joe Ellingson	Understandable?				6	10	4.6
Clark County Health Department	Presented in an interesting way?			2	5	9	4.4
	Did the program answer any questions you had?			1	7	8	4.4
	Will you use the information learned?				2	14	4.9
	Was this program worth your time?			1	3	12	4.7
23	Participants			Overall Average		4.6	
16	Evaluations Completed	2.5	hours				,
57.5	contact hours						

	7/8/2003	low				high	Average
Reuel Emory	Was this lesson:	1	2	3	4	5	
Clark County Health Department	Current, up to date?			1	1	11	4.8
Joe Ellingson	Understandable?				7	6	4.5
Clark County Health Department	Presented in an interesting way?				8	5	4.4
	Did the program answer any questions you had?			2	5	6	4.3
	Will you use the information learned?				5	8	4.6
	Was this program worth your time?				4	9	4.7
I							
19 Participants					Overall Av	/erage	4.5
13	Evaluations Completed	2.5	hours				

	9/10/2003 3:00pm	low				high	Average
Reuel Emory	el Emory Was this lesson:					5	
Clark County Health Department	Current, up to date?			2	5	6	4.3
Joe Ellingson	Understandable?			1	8	4	4.2
Clark County Health Department	Presented in an interesting way?		1		8	4	4.2
Did the program answer any questions yo			1	4	3	5	3.9
	Will you use the information learned?			1	4	8	4.5
	Was this program worth your time?			1	4	8	4.5
28 Participants				Overall Average			4.3
13	Evaluations Completed	2.5	hours				
70	contact hours						

	9/10/2003 18:30	low				high	Average	
Reuel Emory	Was this lesson:	1	2	3	4	5		
Clark County Health Department	Current, up to date?			1	2	11	4.7	
Joe Ellingson	Understandable?			1	3	10	4.6	
Clark County Health Departmen	Presented in an interesting way?				7	7	4.5	
	Did the program answer any questions you had?		1	1	4	8	4.4	
	Will you use the information learned?		1	1	4	8	4.4	
	Was this program worth your time?			1	5	8	4.5	
29 Participants					Overall Average			
14	Evaluations Completed	2.5	hours					
72.5	contact hours							

	11/12/2003 15:00	low				high	Average
Reuel Emory	Was this lesson:	1	2	3	4	5	
Clark County Health Department	Current, up to date?				2	9	4.8
Joe Ellingson	Understandable?			1	2	8	4.6
Clark County Health Department	Presented in an interesting way?			1	3	7	4.5
	Did the program answer any questions you had?				3	8	4.7
	Will you use the information learned?				3	8	4.7
	Was this program worth your time?				2	9	4.8
20 Participants					Overall Av	4.7	
11	Evaluations Completed	2.5	hours				
50	contact hours						

	11/12/2003 18:30	low			high	Average	
Reuel Emory	Was this lesson:	1	2 3 4			5	
Clark County Health Department	Current, up to date?				3	10	4.8
Joe Ellingson	Understandable?				3	10	4.8
Clark County Health Department	t Presented in an interesting way?				4	9	4.7
	Did the program answer any questions you had?				5	8	4.6
	Will you use the information learned?				4	9	4.7
	Was this program worth your time?				3	10	4.8
22 Participants					Overall Av	4.7	
13	Evaluations Completed	2.5	hours				
55	contact hours						

Total Participants 185
Evaluations completed 112
% completed evaluations 60.5%

Appendix D: Clean Water Farm Assessment Form

Clean Water Farm Assessment

The purpose of the assessment is to visit afarm to assess strengths and weakness of the landowner's management of aspects potentially impacting clean water. Also, identify clean water management practices implemented on the property and determine how effective they are in reducing non-point pollution of storm water. If livestock are present then relevant clean water (BMP) management techniques need to be considered.

1.	What are	the goals	for this p	roperty? Is	s the land	base	adequate	for the	intended
use	? ?								
Nu	mber of A	cres:		Uses:					

2. Is drainage a problem? Are gutters and downspouts in place? Where is the rain water going?

House, barns, and outbuildings have gutters and down spouts that drain onto vegetated or gravel - filled seepage areas (e.g., rain gardens.)

How is storm water runoff managed? (Is it directed to grass waterways/swales, woods, vegetated areas, etc.)

What is the status of streamside vegetation. (Are vegetated buffers in place?)

Controlled stream access (Are streams fenced to exclude livestock and/or controlled watering)

Other conditions noted:

- 3. Is erosion of land a problem? List the steps owner has taken to control erosion:
- 4. Is owner aware of the location of septic system and the type of system installed?
- 5. When was system last inspected? Are there any issues with septic, good or bad, anything unusual/special to be used as example?
- 6. Does owner avoid driving over septic tank and drain field?
- 7. If a well is present, where is it located? Is the wellhead adequately protected?
- 8. Is adequate distance maintained between septic system, wellhead and livestock areas?
- 9. Are gasoline, oil, and pesticides stored properly?

10. Where is livestock manure stored? Is livestock manure storage/compost facility covered?

How is manure used?

11. Are pastures appropriate for intended usage?

Is rotational grazing being used? Winter paddocks (rest pastures and avoid soil compaction)

What is the condition of the pasture? Is there bare soil, erosion or weeds?

Is the watering area armored to prevent mud?

- 12. Are pastures being fertilized in an environmentally sensitive way? Have soils been tested? Did the owner use a soil test to determine fertilizer application?
- 13. Is machinery kept off land while the soil is saturated?
- 14. Note any other management practices that might be recommended to the landowner to address other problem area.

Appendix E: Class Evaluation Form

Living on the Land: Stewardship for Small Acreages Evaluation

(Circle your answer) very much so not at all

Was this lesson:

Current, up-to-date? 5 4 3 2 1 Understandable? 5 4 3 2 1

Presented in an interesting way? 3 2 1

Did the program answer any questions you had? 5 4 3 2 1

Did it help you learn how to do new things or how to do others better than you knew before?

Do you intend to use any of the information from this lesson? 5 4 3 2 1

Overall, was this program worth your time to attend? 5 4 3 2 1

What was the most informative part of this session?

Which part was too technical or too easy and why?

On which part(s) do we need to spend more or less time?

On which topic would you like more information?

What one practice from this lesson will you implement within a year?